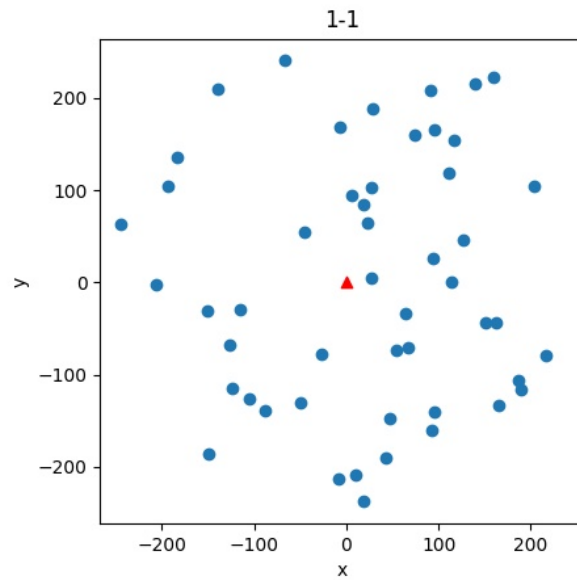


REPORT

B06504016 林家宏

1-1

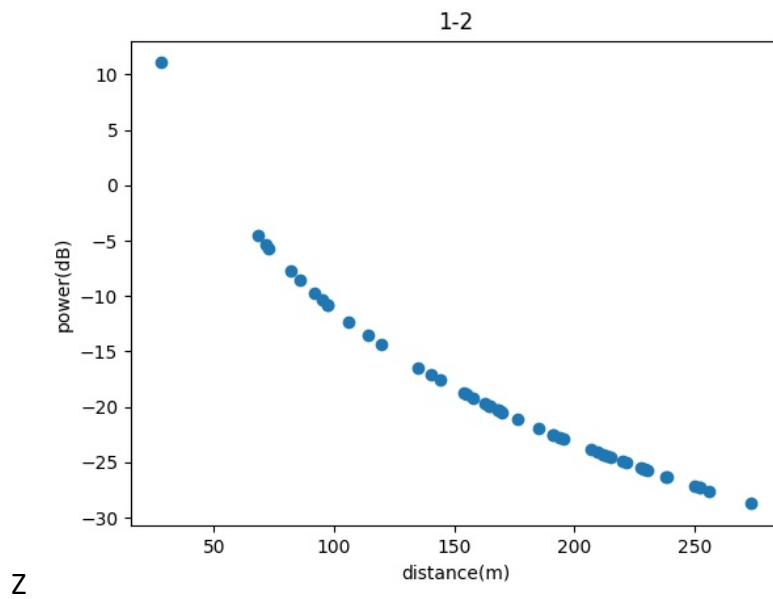
Red triangle is central BS and blue circles are MDs.



1-2

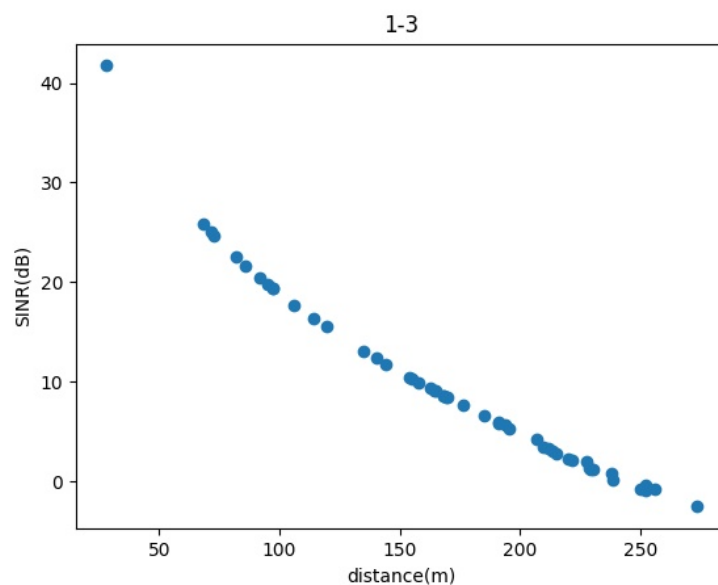
For each mobile device in central cell, compute $g(d)P_T G_T G_R$,

where $g(d) = \frac{(h_t h_r)^2}{d^4}$. Plot the points on the graph.



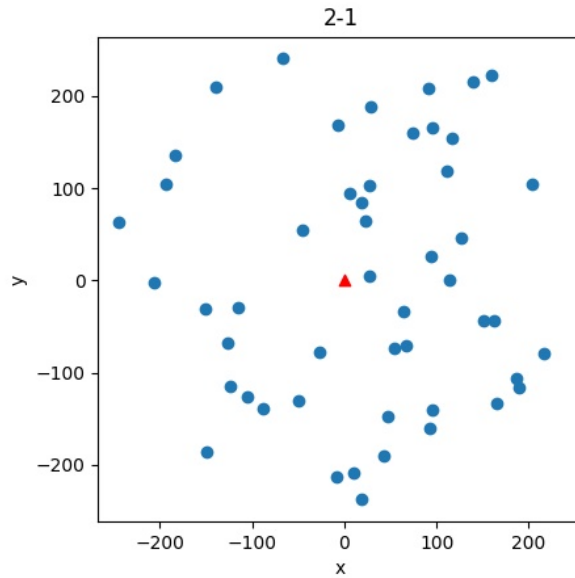
1-3

Compute the total power of 19 base station and minus the power of central base station of each mobile device. Use the answer of 1-2 to divide the (noise + interference) and plot them on the graph.



2-1

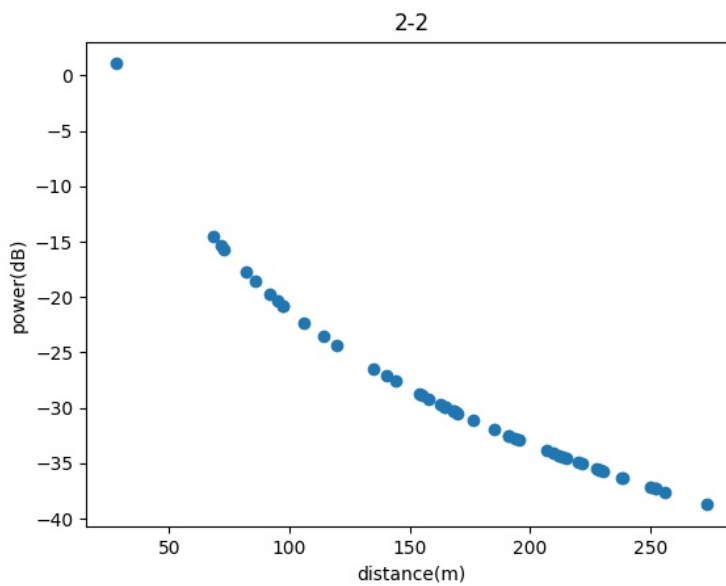
Red triangle is central BS and blue circles are MDs.



2-2

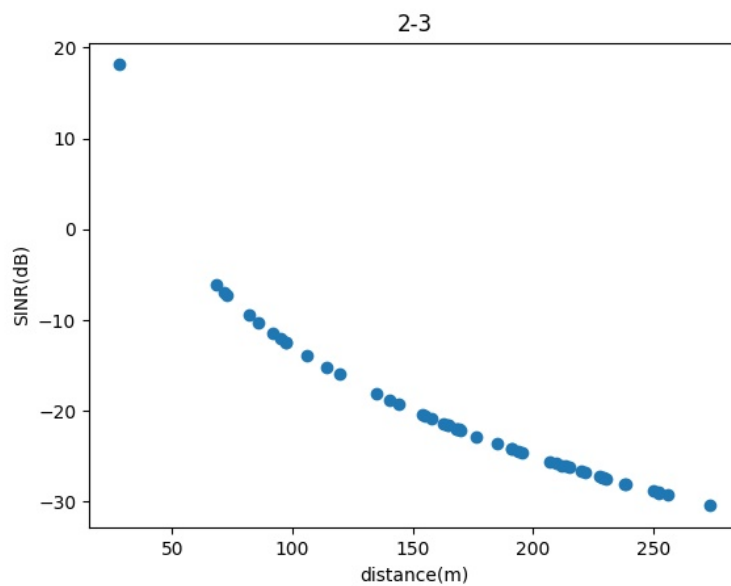
For each mobile device in central cell, compute $g(d)P_T G_T G_R$,

where $g(d) = \frac{(h_t h_r)^2}{d^4}$. Plot the points on the graph.



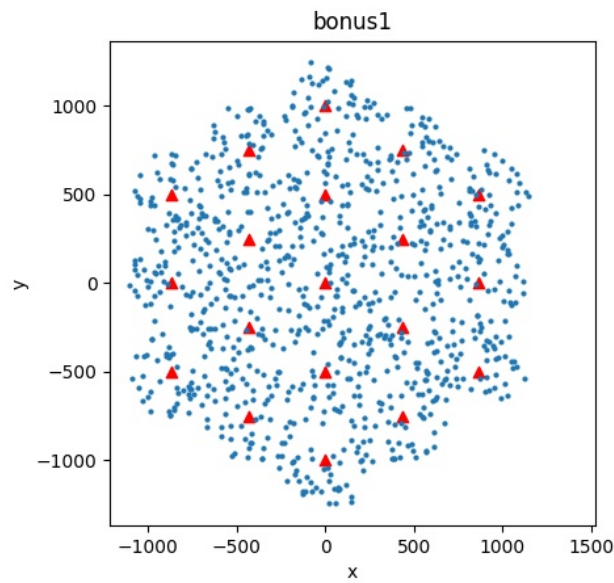
2-3

Compute the total power of 50 mobile devices and minus the power of each mobile device. Use the answer of 2-2 to divide the (noise + interference) and plot them on the graph.



Bonus-1

Red triangles are BSs and blue circles are MDs.

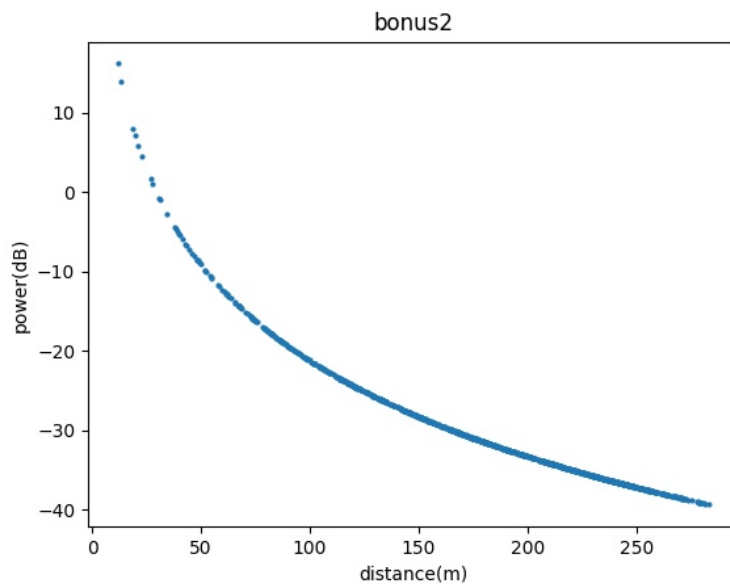


Bonus-2

For each mobile device in each cell, compute $g(d)P_T G_T G_R$, where

$$g(d) = \frac{(h_t h_r)^2}{d^4}.$$

Plot the points on the graph.



Bonus-3

Compute the total power of 50 mobile devices in each cell and

minus the power of each mobile device. Use the answer of Bonus-2 to divide the (noise + interference) and plot them on the graph.

